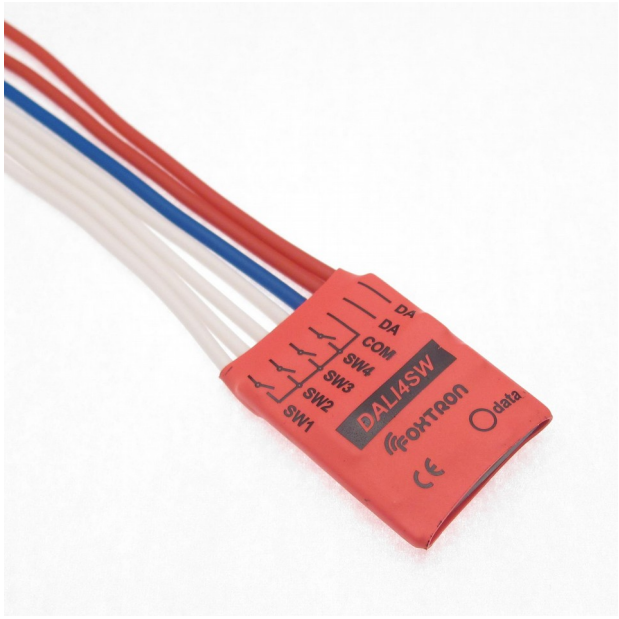
User manual

version 1.3

DALI4SW

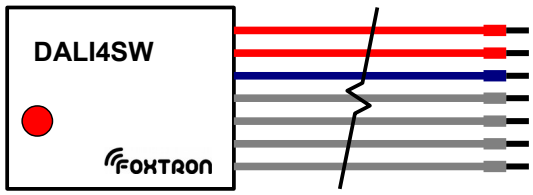


- Universal button DALI controller
- 4 independently adjustable inputs
- Powered from DALI bus
- LED indication
- Adjustable sound signalization
- Installation under the switch
- 11 function modes for each button

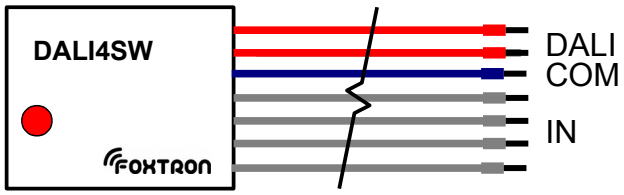
DALI4SW is universal button controller for DALI bus with 4 inputs which are independently adjustable. Each of the inputs is possible to set to 11 different function modes. Setup is done by program DALIconfig which is downloadable for free from www.foxtron.eu.

Technical specification		
bus	DALI	
number of inputs	4	
Power supply (from DALI bus)	3	mA
Maximal length of wires to the button	1	m
Wires cross section	0,5	mm^2
Ingress protection rating	IP20	
Working ambient temperature	0 ÷ 50	°C
Storage temperature	-10 ÷ 70	°C
weight	25	g

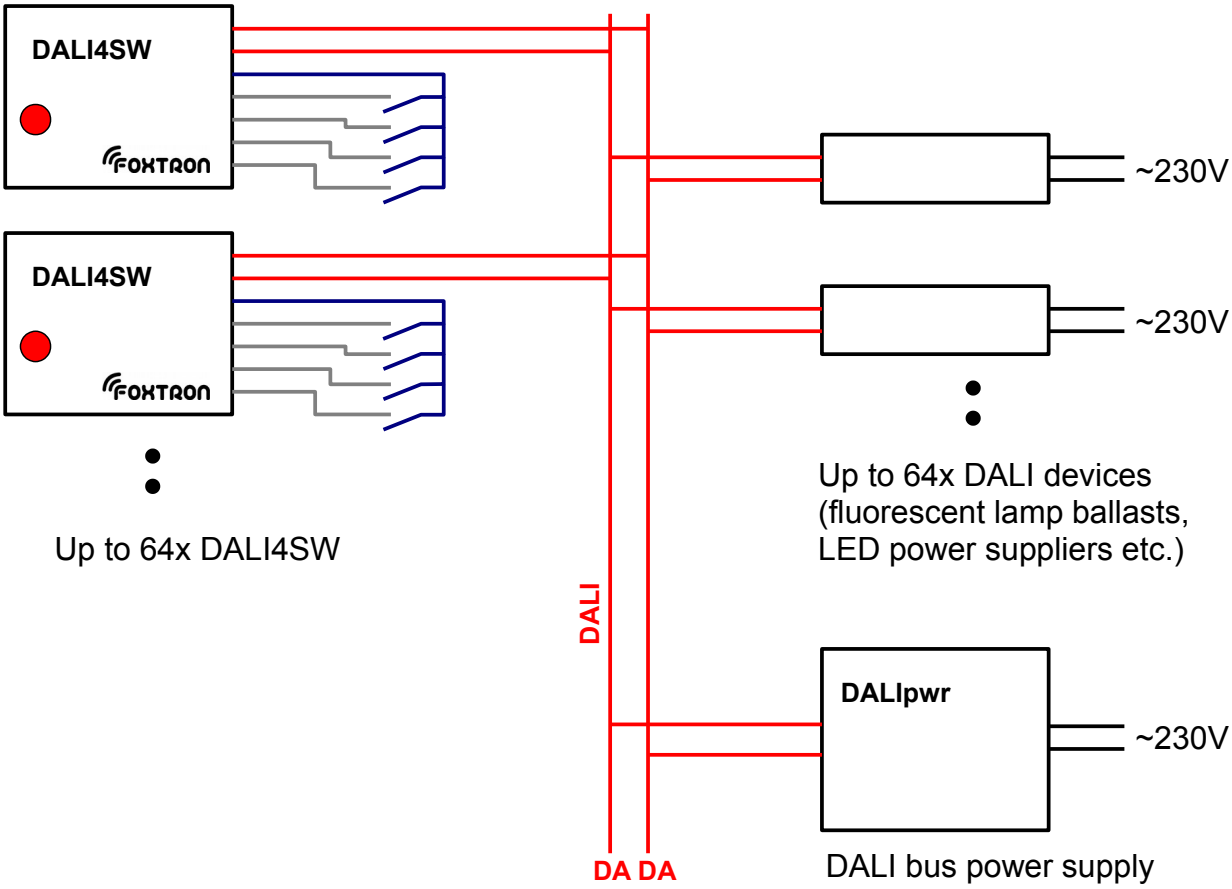
Signalization	
Rx/Tx	Flashing of LED signals receiving or sending of message on DALI bus



Terminals connection



designation	Wire color	description
DA/DA	red	DALI bus, two interchangeable wires
IN	white	Inputs of each buttons
COM	blue	Common wire for buttons



Functions

All 4 buttons (inputs) can have assigned one of the 11 function modes. For each mode are another settings available. Most often are 2 commands sent which are designated X and Y in this manual. Both commands can be set to switch on to certain level or on any of DALI bus commands. If it is reasonable to set start speed it may be a part of X/Y command also setting of this speed. X/Y command may send several commands on DALI bus.

List of function modes	
1	• Short press or long press of button sends command X one time.
2	• Short press of button sends command X one time. • Long press of button sends command X one time and then it sends command Y one time.
3	• Short press of button sends command X one time. • Long press of button sends command X one time and then it sends command Y periodically every 200ms.
4	• Short press of button sends command X one time. • Long press of button sends command Y periodically every 200ms.
5	• Short press of button sends alternately command X and Y. First is command X sent.
6	• Short press of button sends alternately command X and Y. First is command X sent. - If the light is switching off then command X is sent. - If the light is switching on then command Y is sent.
7	• Short press of button sends alternately command X and Y. First is command X sent. - If the light was off command X is always sent. - If the light was on command Y is always sent. • Long press of the button will alternately switch on and off the light. - If the light was switched off then it is always switched on. - If the light was switched on then it is always switched off.
8	• If the light was switched off then it is always switched on. • If the light was switched on then it is always switched off.
9	• Short press or release of button sends alternately command X and Y. First is command X sent. - If the light was switched off then it is always switched on. - If the light was switched on then it is always switched off.
10	• Short press or long press of button sends command X one time. After set time will be command Y send.
11	• Short press of button sends command X. • Short press of button sends command Z a long press of button sends command Y periodically every 200ms.

Factory setting of DALI4sw				
Inputs	Function mode	Function X	Function Y	Function Z
SW1	11	RecallMaxLevel	Up	OnAndStepUp
SW2	4	Off	Down	
SW3	1	GoToScene 0		
SW4	1	GoToScene 1		

Each switch has following factory setting:

SW1 – Short press recalls maximal level. Long press first turns the lights on and then gradually increases the lighting level.

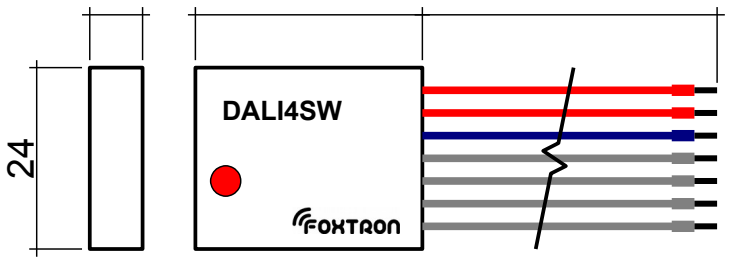
SW2 – Short press turns the lights off. Long press gradually decreases the lighting level up to minimal value.

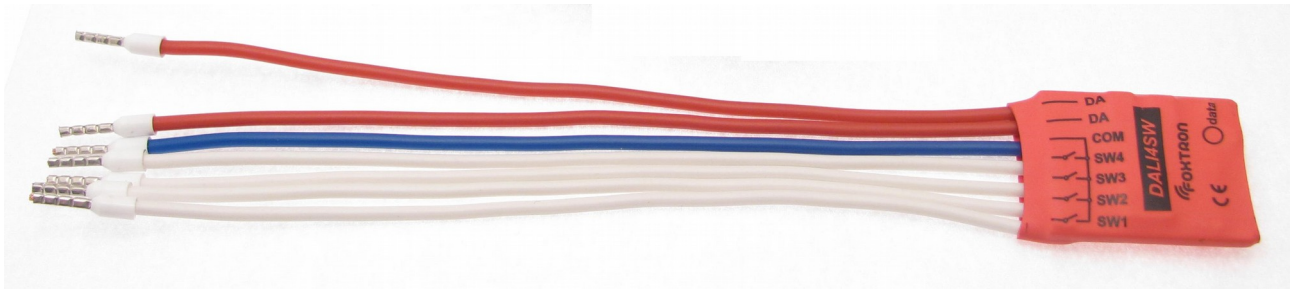
SW3 – Recalls scene 0.

SW4 – Recalls scene 1.

Note: Factory setting is type broadcast. That means all connected lights are controlled.

Dimensions (in mm)





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